

Example (2) Table 15-6 shows an example of display data which are displayed using 1/2 duty LCD in the same way as Table 15-5. The connection between pins COM and SEG are the same as shown in Figure 15-6.

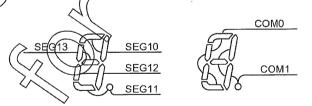
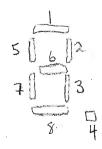


Figure 15-6 Example of COM, SEG Pin Connection

Check 5 ... 10/10/01/



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February 1988

CD4030M/CD4030C Quad EXCLUSIVE-OR Gate

3.0V to 15V

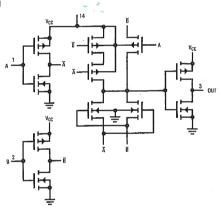
General Description

The EXCLUSIVE-OR gates are monolithic complementary MOS (CMOS) integrated circuits constructed with N- and Pchannel enhancement mode transistors. All inputs are protected against static discharge with diodes to V_{DD} and V_{SS} .

Features

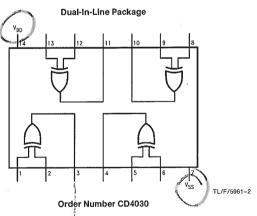
- Wide supply voltage range
- Low power
- Medium speed operation High noise immunity
- 100 nW (typ.) $t_{PHL} = t_{PLH} = 40$ ns (typ.) at $C_L = 15$ pF, 10V supply 0.45 V_{CC} (typ.)
- **Applications** ■ Automotive
- Data terminals
- Instrumentation
- Medical electronics
- Industrial controls
- Remote metering
- Computers

Schematic Diagram



TL/F/5961-1

Connection Diagram

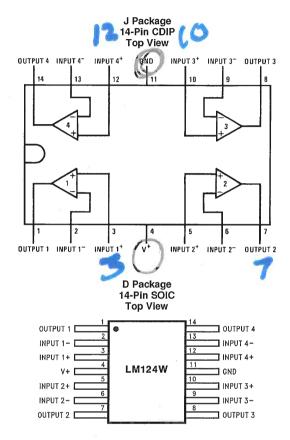


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5 Pin Configuration and Functions



Pin Functions

PIN						
NAME	NO.	TYPE	DESCRIPTION			
OUTPUT1	1	0	Output, Channel 1			
INPUT1-	2	l i	Inverting Input, Channel 1			
INPUT1+	3	ı	Noninverting Input, Channel 1			
V+	4	Р	Positive Supply Voltage			
INPUT2+	5	ı	Nonnverting Input, Channel 2			
INPUT2-	6	1	Inverting Input, Channel 2			
OUTPUT2	7	0	Output, Channel 2			
OUTPUT3	8	0	Output, Channel 3			
INPUT3-	9	ŀ	Inverting Input, Channel 3			
INPUT3+	10	1	Noninverting Input, Channel 3			
GND	11	Р	Ground or Negative Supply Voltage			
INPUT4+	12	1	Noninverting Input, Channel 4			
INPUT4-	13	1	Inverting Input, Channel 4			
OUTPUT4	14	0	Output, Channel 4			

SN54HC151, SN74HC151 8-LINE TO 1-LINE DATA SELECTORS/MULTIPLEXERS

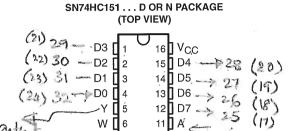
SCLS110C - DECEMBER 1982 - MAY 1997

- 8-Line to 1-Line Multiplexers Can Perform as:
 - Boolean Function Generators
 - Parallel-to-Serial Converters
 - Data Source Selectors
- Package Options Include Plastic Small-Outline (D) and Ceramic Flat (W)
 Packages, Ceramic Chip Carriers (FK), and Standard Plastic (N) and Ceramic (J)
 300-mil DIPs

description

These monolithic data selectors/multiplexers provide full binary decoding to select one of eight data sources. The strobe (\overline{G}) input must be at a low logic level to enable the inputs. A high level at the strobe terminal forces the W output high and the Y output low.

The SN54HC151 is characterized for operation over the full military temperature range of -55°C to125°C. The SN74HC151 is characterized for operation from -40°C to 85°C.



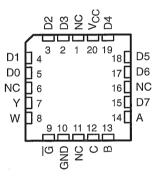
SN54HC151 ... J OR W PACKAGE

SN54HC151 . . . FK PACKAGE (TOP VIEW)

GND [8

10 B

9 T C ≪



NC - No internal connection

FUNCTION TABLE

	11	OUTPUTS			
	SELECT		STROBE	Υ	W
С	В	Α	G		
Х	Х	Х	Н	L	Н
L	L	L	L	D0	D0
L	L	Н	L	D1	D1
L	Н	L	L	D2	D2
L	Н	Н	L	D3	D3
Н	L	L	L®	D4	D4
Н	L	Н	L	D5	D5
Н	H	L	L	D6	D6
Н	Н	Н	L	D7	D7

D0, D1 . . . D7 = the level of the respective D input





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TEXAS INSTRUMENTS



PWM outputs

